

## Electronic Pressure Transducer

### Abstract of the Disclosure

A pressure transducer comprises a Bourdon tube, a magnetic component and a GMR sensor. The Bourdon tube comprises a base, a tube attached to the base and a mechanical linkage converting movement of the tube into rotational movement of a shaft. The magnetic component is mounted to the shaft. The magnetic component emits a magnetic field. The GMR sensor is mounted relative to the magnetic component and is arranged to detect rotational movement of the magnetic component. The GMR sensor is adapted to output an electrical signal representative of rotation of said magnetic component.

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